

07/14/97
69564 U.S. PTO

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July 14, 1997

Attorney Docket No.: 04599/005001

BOX PATENT APPLICATION

Assistant Commissioner of Patents
Washington, DC 20231

69564 U.S. PTO
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Presented for filing is a new original patent application of:

Applicant: SCOTT W-VAN ARSDELL, R. ROGERS YOCUM,
JOHN B. PERKINS, and JANICE G. PERO
Title : OVERCOMING DAPA AMINOTRANSFERASE
BOTTLENECKS IN BIOTIN VITAMERS BIOSYNTHESIS

BOSTON
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WASHINGTON, DC

Enclosed are the following papers, including all those required for a filing date under 37 CFR §1.53(b):

Pages of Specification	24
Pages of Claims	4
Pages of Abstract	1
Signed Declaration	[To Be Filed At A Later Date]
Sheets of Drawing	4

Basic filing fee	770.00
Total claims in excess of 20 times \$22.00	1540.00
Independent claims in excess of 3 times \$80.00	320.00
Multiple dependent claims	260.00
Total filing fee:	\$ 2890.00

"EXPRESS MAIL" Mailing Label Number EM5991415015

Date of Deposit July 14, 1997
I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Lisa G. Gray
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July 14, 1997

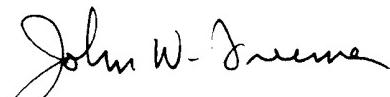
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A check for the filing fee is enclosed. Please charge any other required fees, or apply any credits, to Deposit Account No. 06-1050, referencing the Attorney Docket number shown above.

If this application is found to be INCOMPLETE, or if it appears that a telephone conference would helpfully advance prosecution, please telephone the undersigned at 617/542-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Respectfully submitted,



John W. Freeman

Reg. No. 29,066